



State of Illinois

# ENVIRONMENTAL PROTECTION AGENCY

2-6-97 *John A. Shelley*

Mary A. Gade, Director

P. O. Box 19506, Springfield, IL 62794-9506

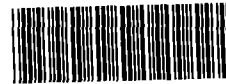
217/782-2113

## JOINT CONSTRUCTION AND OPERATING PERMIT

### PERMITTEE

Keystone Steel & Wire Company  
Attn: Dale Bennington  
7000 S. W. Adams Street  
Peoria, Illinois 61641

US EPA RECORDS CENTER REGION 5



1000294

Application No.: 96110023

I.D. No.: 143808AAA

Applicant's Designation: LMF

Date Received: December 2, 1996

Subject: Ladle Metallurgical Furnace (LMF)

Date Issued: January 31, 1997

Operating Permit Expiration

Date: December 2, 1998

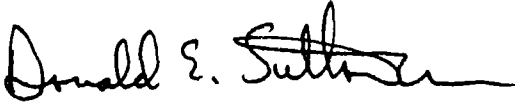
Location: 7000 S. W. Adams Street, Peoria

Permit is hereby granted to the above-designated Permittee to CONSTRUCT and OPERATE emission source(s) and/or air pollution control equipment consisting of a Ladle Metallurgical furnace with existing baghouses DC1 and DC2 (Permit #87040098) as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. Operation of the emission source(s) included in this permit shall not begin until all associated air pollution control equipment has been constructed and is operational.
2. Emissions of particulate matter from the Ladle metallurgy furnace/baghouse shall not exceed 1.57 tons/year. This limit is based on particulate matter emission factor 0.0037 lb/ton and 850,000 tons/yr steel production indicated in the permit application.
3. Emissions of carbon monoxide (CO) from the Ladle furnace shall not exceed 7.65 tons/year. This limit is based on CO emission factor 0.018 lb/ton and 850,000 tons/yr steel production indicated in the permit application.
3. This permit is issued based upon adding the Ladle metallurgy furnace to existing equipment which will replace the refining process currently done in electric arc furnace without any increase in emissions and production limit covered by an operation permit, #87040098.
4. The Permittee shall keep a maintenance log for the baghouse. The log shall detail all routine and nonroutine maintenance performed including dates and duration of outages, inspection schedule, repair actions and replacements. These logs shall be maintained for three years at the site and shall be available for inspection and copying by the Agency upon request.
5. The particulate matter concentration in the effluent stream of the baghouse shall be measured by an approved independent testing service, within 45 days of a written request by the Agency for such a test. The Agency will require this test if, based on observations by field personnel, that the baghouse is poorly maintained or operated.

Page 2

If you have any questions on this, please call Mangu Patel at 217/782-2113.

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Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:MJP:jar

cc: Region 2

~~TAG~~ Submitted to  
 IEPA REC'D FROM IEPA  
 AS PART OF PERMIT (CASTER).

TABLE I

EMISSIONS SUMMARY

				Total Project Related Emissions (Tons/Year)											
Annual Production Levels (Tons)				TSP		P M 10		N O x		S O 2		C O		V O C	
Year	EAF	Caster	Rod & Bar Mill	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base
Base <sup>1</sup>	604,800	493,920	635,040	101.4	--	61.9	--	167.5	--	0.21	--	66.4	--	75.6	--
1993 <sup>2</sup>	750,000	735,000	960,000	71.5	-29.9	44.6	-17.3	169.3	1.8	0.32	0.12	86.3	19.9	48.7	-26.8
1994 <sup>2</sup>	750,000	735,000	960,000	71.5	-29.9	44.6	-17.3	169.3	1.8	0.32	0.12	86.3	19.9	48.7	-26.8
1995 <sup>3</sup>	850,000	833,000	1,016,000	81.7	-19.7	50.5	-11.4	171.0	3.5	0.34	0.14	96.4	30.0	55.2	-20.3
1996 <sup>4</sup>	1,225,000	1,225,000	1,016,000	120.9	19.5	73.2	11.3	204.3	36.9	0.34	0.14	132.4	66.0	81.2	5.6

<sup>1</sup> Average of permitted production level for the period September 1990 through September 1992

<sup>2</sup> Phase one production level year

<sup>3</sup> Phase two production level year

<sup>4</sup> Phase three production level year



State of Illinois

# ENVIRONMENTAL PROTECTION AGENCY

2-6-97 *J. A. Kelly*

Mary A. Gade, Director

P. O. Box 19506, Springfield, IL 62794-9506

217/782-2113

## JOINT CONSTRUCTION AND OPERATING PERMIT

### PERMITTEE

Keystone Steel & Wire Company  
Attn: Dale Bennington  
7000 S. W. Adams Street  
Peoria, Illinois 61641

Application No.: 96110023

I.D. No.: 143808AAA

Applicant's Designation: LMF

Date Received: December 2, 1996

Subject: Ladle Metallurgical Furnace (LMF)

Date Issued: January 31, 1997

Operating Permit Expiration

Date: December 2, 1998

Location: 7000 S. W. Adams Street, Peoria

Permit is hereby granted to the above-designated Permittee to CONSTRUCT and OPERATE emission source(s) and/or air pollution control equipment consisting of a Ladle Metallurgical furnace with existing baghouses DC1 and DC2 (Permit #87040098) as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. Operation of the emission source(s) included in this permit shall not begin until all associated air pollution control equipment has been constructed and is operational.
2. Emissions of particulate matter from the Ladle metallurgy furnace/baghouse shall not exceed 1.57 tons/year. This limit is based on particulate matter emission factor 0.0037 lb/ton and 850,000 tons/yr steel production indicated in the permit application.
3. Emissions of carbon monoxide (CO) from the Ladle furnace shall not exceed 7.65 tons/year. This limit is based on CO emission factor 0.018 lb/ton and 850,000 tons/yr steel production indicated in the permit application.
3. This permit is issued based upon adding the Ladle metallurgy furnace to existing equipment which will replace the refining process currently done in electric arc furnace without any increase in emissions and production limit covered by an operation permit, #87040098.
4. The Permittee shall keep a maintenance log for the baghouse. The log shall detail all routine and nonroutine maintenance performed including dates and duration of outages, inspection schedule, repair actions and replacements. These logs shall be maintained for three years at the site and shall be available for inspection and copying by the Agency upon request.
5. The particulate matter concentration in the effluent stream of the baghouse shall be measured by an approved independent testing service, within 45 days of a written request by the Agency for such a test. The Agency will require this test if, based on observations by field personnel, that the baghouse is poorly maintained or operated.



State of Illinois

# ENVIRONMENTAL PROTECTION AGENCY

5-13-96 John R. Skelley

Mary A. Gade, Director

P. O. Box 19506, Springfield, IL 62794-9506

217/782-2113

## OPERATING PERMIT - REVISED

### PERMITTEE

Keystone Steel & Wire Co.  
Attn: John R. Skelley  
7000 S.W. Adams Street  
Peoria, Illinois 61641

Application No.: 87040099

I.D. No.: 143808AAA

Applicant's Designation:

Date Received: April 15, 1996

Subject: Rod & Bar Mill #2

Date Issued: May 8, 1996

Expiration Date: July 14, 1998

Location: 7000 S.W. Adams Street, Peoria

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of the No. 2 Rod & Bar Mill billet heating furnace (with low NO<sub>x</sub> burners and ABB control system) and recuperation as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. Emissions of particulate matter (PM<sub>10</sub>), Nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and sulfur dioxide (SO<sub>2</sub>) from the upgraded rod mill reheat furnace shall not exceed 2.70, 94.6, 18.8 and 0.32 tons/year respectively. This limit is based on firing of natural gas (1.12 mmBtu/ton) while heating the maximum weight of billets (960,000 tons/year - Phase II level) and emission factors (TSP 0.005, NO<sub>x</sub> 0.176, CO 0.035 and SO<sub>2</sub> 0.0006 lbs/ton) indicated in the permit application.
- b. Compliance with annual limits shall be determined from a running total of 12 months of data.
- c. Appropriate operating records shall be maintained to allow the Agency to review compliance with the limits in 1a.
2. This permit is issued based on this project not constituting a major modification subject to the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21. The changes in emissions associated with this project are summarized in a table attached with this permit.

It should be noted that this permit has been revised to include operation of the equipment described in construction permit 92040118.

Page 2

If you have any questions on this, please call Mangu Patel at 217/782-2113.

A handwritten signature in cursive script, reading "Donald E. Sutton".

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:MJP:jar

Attachment: Table 1

cc: Region 2

TABLE I

EMISSIONS SUMMARY

Annual Production Levels (Tons)				Total Project Related Emissions (Tons/Year)											
				TSP		P M 10		N O x		S O 2		C O		V O C	
				Incrmnt to Base		Incrmnt to Base		Incrmnt to Base		Incrmnt to Base		Incrmnt to Base		Incrmnt to Base	
<u>Year</u>	<u>EAF</u>	<u>Caster</u>	<u>Rod Mill</u>	<u>Emissions</u>	<u>Base</u>	<u>Emissions</u>	<u>Base</u>	<u>Emissions</u>	<u>Base</u>	<u>Emissions</u>	<u>Base</u>	<u>Emissions</u>	<u>Base</u>	<u>Emissions</u>	<u>Base</u>
Base	604,800	493,920	635,040	101.4	----	61.9	----	167.5	----	0.21	----	66.4	--	75.6	----
Phase I	750,000	735,000	960,000	71.5	-29.9	44.6	-17.9	169.3	1.8	0.32	0.12	86.3	19.88	48.8	-26.85
Phase II	850,000	833,000	960,000	80.6	-20.7	49.6	-12.4	179.2	11.7	0.32	0.12	95.3	28.88	55.3	-20.35
Phase III	1,225,000	1,225,000	1,016,000	117.5	16.1	71.8	9.9	204.3	36.9	0.34	0.13	132.4	65.97	81.3	5.65

MJP:jar



State of Illinois

# ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director  
217/785-5151

P. O. Box 19506, Springfield, IL 62794-9506

## CAAPP APPLICATION COMPLETENESS DETERMINATION AND SOURCE FEE DETERMINATION

### APPLICANT

Keystone Consolidated Industries, Inc.  
Attn: John R. Skelley  
7000 S. W. Adams Street  
Peoria, Illinois 61641

Date of Determination: January 11, 1996

Application/Permit No.: 95120288

I.D. Number: 143808AAA

Date Received: December 22, 1995

Source Name:

Location of Source: Rural Bartonville

Dear Skelley:

This letter provides notification that your Clean Air Act Permit Program (CAAPP) application received on the date indicated above, has been determined by the Agency to be complete pursuant to Section 39.5(5) of the Illinois Environmental Protection Act (Act).

As provided in Section 39.5(18) of the Act, a CAAPP source shall pay a fee. Attached is the annual fee bill for this CAAPP source as determined from information included in your application, on form 292-CAAPP - FEE DETERMINATION FOR CAAPP PERMIT. Payment of the fee is due within 45 days of the billing date indicated on the billing statement.

Based on the completeness determination, the owner or operator of the CAAPP source is not required to renew existing state operating permits for emission units at the CAAPP source. The owner or operator of the CAAPP source is not, however, relieved of any obligation to obtain state operating permits for emission units at the CAAPP source for which no current state operating permit exists.

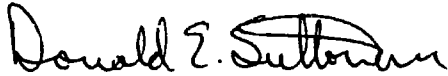
Notwithstanding the completeness determination, the Agency may request additional information necessary to evaluate or take final action on the CAAPP application. If such additional information affects your allowable emission limits, a revised form 292-CAAPP-FEE DETERMINATION FOR CAAPP PERMIT must be submitted with the requested information. The failure to submit to the Agency the requested information within the time frame specified by the Agency, may force the Agency to deny your CAAPP application pursuant to Section 39.5 of the Act.



Page 2

If you have any questions regarding this matter, please contact the Division of Air Pollution Control Permit Section at 217/785-5151.

Sincerely,

A handwritten signature in dark ink, appearing to read "Donald E. Sutton". The signature is fluid and cursive, with a large initial "D" and a stylized "S".

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:RLD:jar

Enclosure(s)

cc: FOS, Region 2  
Application File  
Compliance & Systems Management Section



State of Illinois

# ENVIRONMENTAL PROTECTION AGENCY

RECEIVED PER KEYSTONE  
John R. Skelley 2-12-96

Mary A. Gade, Director  
217/782-2113

P. O. Box 19506, Springfield, IL 62794-9506

## CONSTRUCTION PERMIT

### PERMITTEE

Keystone Steel & Wire Company  
Attn: John R. Skelley  
7000 S.W. Adams Street  
Peoria, Illinois 61641-0002

Application No.: 95090226

I.D. No.: 143808AAA

Applicant's Designation:

Date Received: September 26, 1995

Subject: EAF Shop-Control Modification Phase II

Date Issued: February 7, 1996

Location: 7000 S.W. Adams Street, Peoria

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of baghouse hoppers modification, add two new air/oxi/fuel burners per furnace, enlarge DEC ducting, install water-cooled duct and a peak shaver in the DEC system, install a dropout box/combustion chamber in the DEC system, canopy enlargement to increase capture, install an additional baghouse (400,000 CFM) for the enlarged canopy heads as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. Operation and emissions attributable to the operation of the Electric Arc Furnace (EAF) during Phase II production level (106 tons/hr; 850,000 tons/yr) shall not exceed the following:

<u>Pollutant</u>	<u>Emission Factor</u>	<u>Emissions</u>	
	(Lb/Ton)	(Lb/Hr)	(T/Yr)
Particulate Matter (TSP)	0.183	19.44	77.80
Particulate Matter (PM <sub>10</sub> )	0.110	11.68	46.80
Nitrogen Oxides (NO <sub>x</sub> )	0.15	15.94	63.80
Carbon Monoxide (CO)	0.18	19.12	76.50
Volatile Organic Compounds (VOC)	0.13	13.81	55.25

These limits are based on annual steel production (850,000 tons/year), hours of operation (8,000 hours/year) and the emission factors indicated in the permit application.

- b. Compliance with annual limits shall be determined from a running total of 12 months of data.
- c. Appropriate operating records shall be maintained to allow the Agency to review compliance with the limits in 1a.
2. Simultaneous operation of two electric arc furnaces is not allowed during Phase II level production years. The Permittee will submit a detailed construction permit application for simultaneous operation of the furnaces.

- 3a. Prior to making application for an operating permit, the emissions of PM, PM<sub>10</sub>, NO<sub>x</sub> and CO from the electric arc furnaces shall be measured by an approved testing service, during conditions which are representative of maximum emissions.
- b. The following methods and procedures shall be used for testing of emissions, unless another method is approved by the Agency: Refer to 40 CFR 60, Appendix A and 40 CFR 61, Appendix B for USEPA test methods.

Location of Sample Points	USEPA Method 1
Gas Flow and Velocity	USEPA Method 2
Flue Gas Weight	USEPA Method 3
Moisture	USEPA Method 4
Particulate Matter	USEPA Method 5
Carbon Monoxide	USEPA Method 10
Nitrogen Oxides	USEPA Method 7

4. At least 30 days prior to the actual date of testing a written test plan shall be submitted to the Agency for review and approval. This plan shall describe the specific procedures for testing, including as a minimum:
- a. The person(s) who will be performing sampling and analysis and their experience with similar tests.
  - b. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the source and any control equipment will be determined.
  - c. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.
  - d. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods.
  - e. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification.
  - f. Any proposed use of an alternative test method, with detailed justification.
  - g. The format and content of the Source Test Report
- 5a. The Agency shall be notified prior to these tests to enable the Agency to observe these tests. Notification for the expected date of testing shall be submitted a minimum of thirty (30) days prior to the expected date. Notification of the actual date and expected time of testing shall be submitted a minimum of five (5) working days prior to the actual date of the test. The Agency may at its

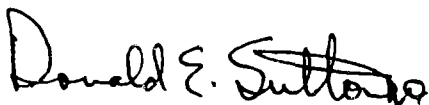
discretion accept notifications with shorter advance notice provided that the Agency will not accept such notifications if it interferes with the Agency's ability to observe testing.

Illinois Environmental Protection Agency  
Division of Air Pollution Control - Regional Office  
5415 North University  
Peoria, Illinois 61614

Illinois Environmental Protection Agency  
Attn: Source Emission Test Specialist  
Division of Air Pollution Control  
1701 First Avenue  
Maywood, Illinois 60153

- b. Three (3) copies of the Final Report(s) for these tests shall be submitted to the Agency within 14 days after the test results are compiled and finalized, prior to or accompanying the operating permit application. Satisfactory completion of these tests and compliance with the limitations of this permit shall be a prerequisite to the issuance of an operating permit.
- c. A copy of the Summary of Results, General Information, and Conclusions, as contained in the Final Report, shall also be submitted to the Source Emission Test Specialist.
- 6. This permit is issued based on this project not constituting a major modification subject to the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21. The changes in emissions associated with this project are summarized in a Table-I attached with this permit.

If you have any questions on this, please call Mangu Patel at 217/782-2113.



Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:MJP:jar

cc: Region 2

TABLE I

EMISSIONS SUMMARY

Annual Production Levels (Tons)				Total Project Related Emissions (Tons/Year)											
				TSP		P M 10		N O x		S O 2		C O		V O C	
				Emissions	Incrmnt to Base	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base	Emissions	Incrmnt to Base
Year	SAF	Caster	Rod Mill												
Base	604,800	493,920	635,040	101.4	----	61.9	----	167.5	----	0.21	----	66.4	--	75.6	----
Phase I	750,000	735,000	960,000	71.5	-29.9	44.6	-17.9	169.3	1.8	0.32	0.12	86.3	19.88	48.8	-26.85
Phase II	850,000	833,000	960,000	80.6	-20.7	49.6	-12.4	179.2	11.7	0.32	0.12	95.3	28.88	55.3	-20.35
Phase III	1,225,000	1,225,000	1,016,000	117.5	16.1	71.8	9.9	204.3	36.9	0.34	0.13	132.4	65.97	81.3	5.65

4JP:jar

NPDES Permit No. IL0002526

Illinois Environmental Protection Agency

Division of Water Pollution Control

2200 Churchill Road

P.O. Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date: December 31, 2000

Issue Date: December 26, 1995  
Effective Date: January 1, 1996

Name and Address of Permittee:

Keystone Steel and Wire Company  
7000 S.W. Adams Street  
Peoria, Illinois 61641

Facility Name and Address:

Keystone Steel and Wire Company  
7000 S.W. Adams Street  
Peoria, Illinois 61641  
Peoria County

Discharge Number and Name:

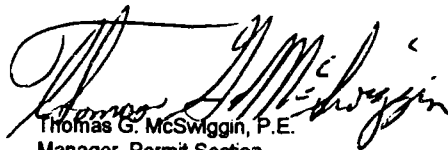
001 Sedimentation Basin Effluent  
002 South Sludge Lagoon Overflow  
003 North Sludge Lagoon Overflow  
001A Sedimentation Basin Effluent  
002A South Sludge Lagoon Overflow  
003A North Sludge Lagoon Overflow

Receiving Waters

Illinois River  
Illinois River  
Illinois River  
Back Water of the Illinois River  
Back Water of the Illinois River  
Back Water of the Illinois River

In compliance with the provisions of the Illinois Environmental Protection Act, Subtitle C and/or Subtitle D Rules and Regulations of the Illinois Pollution Control Board, and the Clean Water Act, the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

  
Thomas G. McSwiggan, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

TGM:REP95091901.PSJ

NPDES Permit No. IL0002526

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		
1. From the effective date of this permit until the expiration date of this permit, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:						
Outfall(s): 001****, 002**** and 003****						
Flow (MGD)					Weekly	Single Reading
pH	See Special Condition 1				1/Week	Grab
Ammonia	175.4*,**	471.6*,**	3**	6**	1/Week	Composite***
Total Suspended Solids	877*	2358*	15	30	1/Week	Composite***
Oil and Grease	382*	859*	15	30	1/Week	Grab
Lead	3.2*	9.64*		0.14	1/Week	Composite***
Zinc	4.77*	12.97*		1.0	1/Week	Composite***
Iron (total)	116.9*	314.4*	2	4	1/Week	Composite***

\*This load represents the total load allowed from the combined three outfalls. See Special Condition 2.

\*\*Ammonia limitations shall only apply when ammonia load to the receiving stream is equal to or greater than 100 lbs/day. See Special Condition 3.

\*\*\*Grab sampling may be conducted on outfalls 002 and 003 in lieu of composite sampling.

\*\*\*\*These limitations and monitoring requirements apply when flow is allowed to discharge to the Illinois River. See Special Condition 4.

## NPDES Permit No. IL0002526

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	DAILY MAX.	30 DAY AVG.	DAILY MAX.		
1. From the effective date of this permit until the expiration date of this permit, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:						
Outfall(s): 001A***, 002A*** and 003A***						
Flow (MGD)					Weekly	Single Reading
pH	See Special Condition 1				1/Week	Grab
Ammonia		117.9*		1.5	1/Week	Composite**
Total Suspended Solids	877*	2358*	15	30	1/Week	Composite**
Oil and Grease	382*	859*	15	30	1/Week	Grab
Lead	3.2*	7.04*		0.1	1/Week	Composite**
Zinc	4.77*	12.97*		1.0	1/Week	Composite**
Iron (total)	116.9*	314.4*	2.0	4.0	1/Week	Composite**
Fluoride		98.6 <sup>s</sup>		1.4	1/Week	Composite**
Boron		70.4*		1.0	1/Week	Composite**
Iron (dissolved)		70.4*		1.0	1/Week	Composite**
Copper	1.32*	3.17*	0.027	0.045	1/Week	Composite**
Cyanide	0.24*	1.07*	0.005	0.022	1/Week	Composite**
Total Dissolved Solids		70398*		1000	1/Week	Composite**

\*This load limit represents the total allowed from the combined three outfalls. See Special Condition 2.

\*\*Grab sampling may be conducted on outfalls 002A and 003A in lieu of composite samples.

\*\*\*These limitations and monitoring requirements apply when flow is blocked from going to the Illinois River. See Special Condition 4.



NPDES Permit No. IL0002526

Special Conditions

SPECIAL CONDITION 1. The pH shall be in the range of 6.0 to 10.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 2. A separate DMR form shall be submitted reporting the total load discharged from outfalls 001, 002 and 003 and/or 001A, 002A and 003A.

SPECIAL CONDITION 3. Ammonia concentration and loading shall be reported even if the total load on the receiving stream is not equal to or greater than 100 lbs/day.

SPECIAL CONDITION 4. The permittee shall submit separate DMR forms for outfalls 001, 002 and 003 and for outfalls 001A, 002A and 003A. On each form, the permittee shall indicate the number of days of the month the outfall was in that particular discharge mode designated for that outfall.

SPECIAL CONDITION 5. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 6. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 7. The permittee shall record monitoring results on Discharge Monitoring Report forms using one such form for each discharge each month. The completed Discharge Monitoring Report form shall be submitted monthly to IEPA, no later than the 15th of the following month, unless otherwise specified by the Agency, to the following address:

Illinois Environmental Protection Agency  
Bureau of Water  
Compliance Assurance Section  
2200 Churchill Road  
P.O. Box 19276  
Springfield, Illinois 62794-9276

SPECIAL CONDITION 8. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 9. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such storm water. In addition to the chemical specific monitoring required elsewhere in this permit, the permittee shall conduct an annual inspection of the facility site to identify areas contributing to a storm water discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated storm water discharges no longer receiving treatment. If any such discharges are identified the permittee shall request a modification of this permit within 30 days after the inspection. Records of the annual inspection shall be retained by the permittee for the term of this permit and be made available to the Agency on request.

SPECIAL CONDITION 10. For the purpose of this permit, the discharge from the air stripper, is limited to treated contaminated groundwater, free from process and other wastewater discharges, to be utilized as facility makeup water. The permittee shall monitor the air stripper effluent on a quarterly basis in the months of February, May, August and November and submit the sample results with the DMR forms submitted for that month. Samples shall be grab samples and analyzed for 1,1-dichloroethane; 1,1-dichloroethylene; 1,2-dichloroethylene; tetrachloroethylene; 1,1,1-trichloroethane; trichloroethylene; chloroform; methylene chloride; toluene; 1,2-dichloroethane; carbon tetrachloride and flow (MGD). Should the levels of the monitored pollutants exceed Division of Land Pollution Controls cleanup objective criteria in the effluent of the air stripper, the Permittee shall notify the Division of Land Pollution Control and request that a determination be made regarding the continued use of the treated contaminated groundwater as facility makeup water.

SPECIAL CONDITION 11. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and daily maximum value.

## ATTACHMENT H

## Standard Conditions

## Definitions

As it relates to the Illinois Environmental Protection Act, Ch. 111, 1-2 Ill. Rev. Stat., Sec. 1001-11152 as amended.

Agency means the Illinois Environmental Protection Agency.

Board means the Illinois Pollution Control Board.

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L. 92-500, as amended, 33 U.S.C. 1251 et seq.

NPDES (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and renewing, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

USEPA means the United States Environmental Protection Agency.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge.

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Aliquot means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

24 Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

8 Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

- (1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- (2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.
- (3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- (5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.

- (6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- (7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.
- (8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuance, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency, upon request, copies of records required to be kept by this permit.
- (9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency, upon the presentation of credentials and other documents as may be required by law, to:
  - (a) Enter upon the permittee's premises where a requested facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
  - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - (c) Inspect at reasonable times any facilities, equipment including monitoring and control equipment, practices, or operations requested or required under this permit; and
  - (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.
- (10) **Monitoring and records.**
  - (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
  - (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. This period may be extended by request of the Agency at any time.
  - (c) Records of monitoring information shall include:
    - (1) The date, exact place, and time of sampling or measurements;
    - (2) The individual(s) who performed the sampling or measurements;
    - (3) The details analyses were performed;
    - (4) The individual(s) who performed the analyses;
    - (5) The analytical techniques or methods used; and
    - (6) The results of such analyses.
  - (d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedures under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.
- (11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified.
  - (a) **Application.** All permit applications shall be signed as follows:
    - (1) For a corporation: by a principal executive officer or at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;
    - (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
    - (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.
  - (b) **Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
    - (1) The authorization is made in writing by a person described in paragraph (a); and
    - (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and
    - (3) The written authorization is submitted to the Agency.

- c. Changes of Authorization. If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
- (12) Reporting requirements.
- Planned changes. The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.
  - Anticipated noncompliance. The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
  - Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
  - Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.
    - Monitoring results must be reported on a Discharge Monitoring Report (DMR).
    - If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
    - Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.
  - Twenty-four hour reporting. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times; and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The following shall be included as information which must be reported within 24 hours:
    - Any unauthorized bypass which exceeds any effluent limitation in the permit.
    - Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit to be reported within 24 hours.

The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
  - Other noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs (12)(c), (d), or (e), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12)(a).
  - Other information. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.
- (13) Transfer of permits. A permit may be automatically transferred to a new permittee if:
- The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;
  - The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittees; and
  - The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.
- (14) All manufacturing, commercial, mining, and agricultural dischargers must notify the Agency as soon as they know or have reason to believe:
- That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
    - One hundred micrograms per liter (100 ug/l);
    - Two hundred micrograms per liter (200 ug/l) for screen extractable, five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,5-dinitrophenol, and one milligram per liter (1 mg/l) for antimony;
    - Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
    - The level established by the Agency in this permit.
  - That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.
- (15) All Publicly Owned Treatment Works (POTW) must provide adequate notice to the Agency of the following:
- Any new introduction of pollutants into that POTW from an indirect discharger which would be subject to Sections 301 or 304 of the Clean Water Act if it were directly discharging those pollutants; and
  - Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
- For purposes of this paragraph, adequate notice shall include information on (a) the quality and quantity of effluent introduced into the POTW, and (b) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.
- (16) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
- User charges pursuant to Section 204(b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35.
  - Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
  - Inspection, monitoring, and entry pursuant to Section 308 of the Clean Water Act.
- (17) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and required to conform to that effluent standard or limitation.
- (18) Any authorization to construct issued to the permittee pursuant to 35 U.S.C. Code 309.154 is hereby incorporated by reference as a condition of this permit.
- (19) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA or required to be maintained under this permit.
- (20) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, or 308 of the Clean Water Act is subject to a fine of not less than \$2,500, nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both.
- (21) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.
- (22) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under the permit shall, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.
- (23) Collected screening, slimes, sludges, and other solids shall be disposed of in such a manner as to prevent entry of these wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.
- (24) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.
- (25) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 U.S.C. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board.
- (26) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 4062-95

PERMIT NO.: 1995-EB-4062

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS

DATE ISSUED: August 23, 1995

SUBJECT: KEYSTONE STEEL & WIRE COMPANY -- Closed Loop Cooling Pond

PERMITTEE TO OWN AND OPERATE

Keystone Steel & Wire Company  
7000 S.W. Adams Street  
Peoria, Illinois 61641

Permit is hereby granted to the above designated permittee to operate water pollution control facilities described as follows:

A 7.113 million gallon oil skimming basin used in conjunction with the closed loop cooling pond receiving 16.02 MGD of contact cooling water and has 16.752 MGD recycled from the pond with pond blowdown directed to the wire mill tributary to the permitted waste water treatment plant, tributary to the Illinois River.

This Operating Permit expires on August 1, 2000.

This Permit renews and replaces Permit Number 1990-EB-1249 and 1990-EB-1249-1 which was previously issued for the herein permitted facilities.

SPECIAL CONDITION 1: The operation of the pond blowdown shall be governed by NPDES Permit No. IL0002526.

SPECIAL CONDITION 2: The operation of the treatment system must be under the direct and active field supervision of a certified industrial treatment plant operator in accordance with the State of Illinois Rules and Regulations, Title 35, Subtitle C, Chapter 1, Part 312.

SPECIAL CONDITION 3: All sludges and other wastes generated on site shall be disposed of at a site and in a manner acceptable to the Agency.

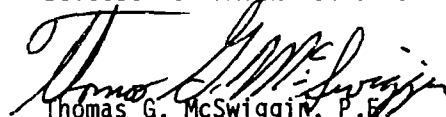
SPECIAL CONDITION 4: The permittee shall conduct a study to determine the effects of the cooling pond on groundwater. The proposed monitoring wells shall be sampled quarterly in December, March, June and September for the following parameters:

Continued on Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:REP:rlc/0441Z,13-14  
cc: EPA - Peoria Region  
Records  
Binds

DIVISION OF WATER POLLUTION CONTROL

  
Thomas G. McSwiggin, P.E.  
Manager, Permit Section

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 4062-95

PERMIT NO.: 1995-EB-4062

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS

DATE ISSUED: August 23, 1995

SUBJECT: KEYSTONE STEEL & WIRE COMPANY -- Closed Loop Cooling Pond

TDS  
Manganese  
Dissolved Iron  
Boron

The sample results for both up gradient and down gradient wells shall be used to assess the impact of the cooling pond on groundwater. A report summarizing the assessment and well sample results shall be submitted with the renewal application.

SPECIAL CONDITION 5: There shall be no discharge from the cooling pond to surface waters except for the authorized blowdown to the wire mill.



217/782-2113

CONSTRUCTION PERMIT

PERMITTEE

Keystone Steel & Wire Co.  
Attn: Dale Bennington  
7000 S.W. Adams Street  
Peoria, Illinois 61641

*R. Samers*  
*TGS.*  
*RNM*  
*NCG.*

Application No.: 92040119

I.D. No.: 143808AAA

Applicant's Designation:

Date Received: April 30, 1992

Subject: Caster Shop Baghouse

Date Issued: January 5, 1993

Location: 7000 S.W. Adams Street, Peoria

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of a Carborundum - Pangborn baghouse as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. This permit is issued based upon adding a baghouse to continuous caster so as to reduce emissions of particulate matter to the atmosphere.
2. This permit is issued based on maximum steel production (735,000 tons/year - Phase I Level) and maximum emissions of particulate matter (0.15 tons/year) and particulate matter PM<sub>10</sub> (0.09 tons/year) as indicated in the permit application.
3. This permit is issued based on this project not constituting a major modification subject to the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21. The changes in emissions associated with this project are summarized in a table attached with this permit.

If you have any questions on this, please call Mangu Patel at 217/782-2113.

*Donald E. Sutton*

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

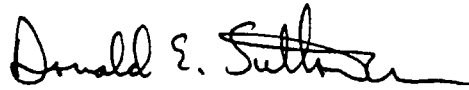
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Attachment: Table

cc: Region 2

Page 2

If you have any questions on this, please call Mangu Patel at 217/782-2113.

A handwritten signature in black ink, appearing to read "Donald E. Sutton". The signature is fluid and cursive, with a long horizontal stroke at the end.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:MJP:jar

cc: Region 2

217/782-0610

Keystone Consolidated Ind., Inc.  
Peoria Plant, Bartonville, Peoria County, Illinois  
NPDES Permit No. IL0002526  
Final Permit

FEB 27 1979

Keystone Consolidated Ind., Inc.  
7000 South Adams Street  
Peoria, Illinois 61641

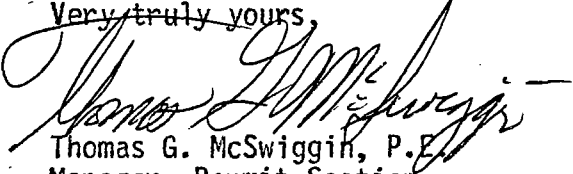
Gentlemen:

Attached is the final NPDES Permit for your discharge. The Permit as issued covers discharge limitations, monitoring, and reporting requirements. The failure of you to meet any portion of the Permit could result in civil and/or criminal penalties. The Illinois Environmental Protection Agency is ready and willing to assist you in interpreting any of the conditions of the Permit as they relate specifically to your discharge.

The Permit as issued is effective as of the date indicated on the first page of the Permit. You have the right to appeal any condition of the Permit to the Illinois Pollution Control Board prior to the effective date.

Should you have questions concerning the Permit, please contact Mark A. Schollenberger at the telephone number indicated above.

Very truly yours,

  
Thomas G. McSwiggin, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

*MAS*  
TGM:REB:MAS:rd/sp4967a

Enclosure: Final Permit

cc: USEPA/With Enclosure  
Region III-P/With Enclosure  
Permit Section  
Records Unit



NPDES Permit No. IL0002526  
Illinois Environmental Protection Agency  
Division of Water Pollution Control

2200 Churchill Road  
Springfield, Illinois 62706

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date: September 30, 1980      Issue Date: Feb. 27, 1979  
Effective Date: March 25, 1979

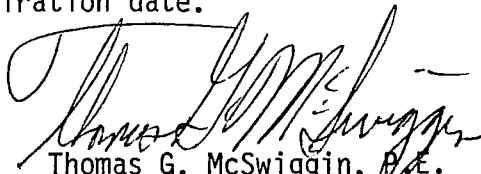
Permittee: Keystone Consolidated Ind., Inc.

Facility Name and Address: Keystone Steel and Wire, Peoria Plant,  
Bartonville, Illinois, Peoria County

Receiving Waters: Unnamed tributary of the Illinois River

In compliance with the provisions of the Illinois Environmental Protection Act, the Chapter 3 Rules and Regulations of the Illinois Pollution Control Board, and the FWPCA, the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.



Thomas G. McSwiggin, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

TGM:REB:MAS:rd/sp4967a

NPDES Permit No. IL0002526

## ATTACHMENT B-1

## Effluent Limitations and Monitoring

Discharge Number(s): 001

Discharge Name(s): Overflow from sedimentation ponds

From effective date of permit until September 30, 1980, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

PARAMETER	CONCENTRATION LIMITS mg/l			LOAD LIMITS lbs/day (Kg/day)			SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY	7 DAY	DAILY	30 DAY	7 DAY	DAILY		
	AVG.	AVG.	MAX.	AVG.	AVG.	MAX.		
Flow (MGD)							Weekly	Single Reading
pH	See Attachment B-1 Continued						1/Week	Grab
TSS Dissolved								
Solids	See Attachment B-1 Continued						1/Week	Composite
Total Suspended								
Solids			15			*1575(715)	1/Week	Composite
Dissolved Iron	.1		.3	11.0(5.0)		33.0(15.0)	1/Week	Composite
Oil, Fats and								
Grease	15		30	829.6 (377.1)		2290.5 (1041.1)	1/Week	Grab
Sulfate	See Attachment B-1 Continued						1/Week	Composite

\*See Attachment G

ATTACHMENT B-1 CONTINUED

1. The pH shall be in the range 6.0 to 9.0.
2. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge but prior to entry into the drainage ditch and subsequent discharge to the Illinois River.
3. The effluent sulfate and total dissolved solids concentration in the subject discharge shall be limited to a level that will not cause the receiving stream to exceed the water quality standard in Rule 203 of the Illinois Pollution Control Board, Chapter 3, Rules and Regulations.

NPDES Permit No. IL0002526

## ATTACHMENT B-2

## Effluent Limitations and Monitoring

Discharge Number(s): 002

Discharge Name(s): Effluent from sludge lagoons

From effective date of permit until September 30, 1980, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

PARAMETER	CONCENTRATION LIMITS mg/l			LOAD LIMITS lbs/day (Kg/day)			SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVG.	7 DAY AVG.	DAILY MAX.	30 DAY AVG.	7 DAY AVG.	DAILY MAX.		
Flow (MGD)							Weekly	Single Reading
pH	See Attachment B-2 Continued						1/Week	Grab
Total Dissolved Solids	See Attachment B-2 Continued						1/Week	Grab
Total Suspended Solids			15			*1575(715)	1/Week	Grab
Total Iron		2	54.6 (24.8)			80.0 (36.4)	1/Week	Grab
Oil, Fats and Grease	15		30	409.8 (186.2)		1201.0 (545.9)	1/Week	Grab
Sulfate	See Attachment B-2 Continued						1/Week	Grab

\*See Attachment G

ATTACHMENT B-2 CONTINUED

1. The pH shall be in the range 6.0 to 9.0.
2. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge but prior to entry into the drainage ditch and subsequent discharge to the Illinois River.
3. The effluent sulfate and total dissolved solids concentration in the subject discharge shall be limited to a level that will not cause the receiving stream to exceed the water quality standard in Rule 203 of the Illinois Pollution Control Board, Chapter 3, Rules and Regulations.

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## ATTACHMENT B-3

## Effluent Limitations and Monitoring

Discharge Number(s): 003

Discharge Name(s): Effluent from sludge lagoons

From effective date of permit until September 30, 1980, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

PARAMETER	CONCENTRATION LIMITS mg/l			LOAD LIMITS lbs/day (Kg/day)			SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY	7 DAY	DAILY	30 DAY	7 DAY	DAILY		
	AVG.	AVG.	MAX.	AVG.	AVG.	MAX.		
Flow (MGD)							Weekly	Single Reading
pH	See Attachment B-3 Continued						1/Week	Grab
Total Dissolved Solids	See Attachment B-3 Continued						1/Week	Grab
Total Suspended Solids			15			*1575(715)	1/Week	Grab
Total Iron		2	45.0 (20.4)			77.52 (35.2)	1/Week	Grab
Oil, Fats and Grease	15	30	337.9 (153.5)			1163.0 (528.6)	1/Week	Grab
Sulfate	See Attachment B-3 Continued						1/Week	Grab

\*See Attachment G

ATTACHMENT B-3 CONTINUED

1. The pH shall be in the range 6.0 to 9.0.
2. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge but prior to entry into the drainage ditch and subsequent discharge to the Illinois River.
3. The effluent sulfate and total dissolved solids concentration in the subject discharge shall be limited to a level that will not cause the receiving stream to exceed the water quality standard in Rule 203 of the Illinois Pollution Control Board, Chapter 3, Rules and Regulations.

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## ATTACHMENT B-4

## Effluent Limitations and Monitoring

Discharge Number(s): 004

Discharge Name(s): Intake screen backwash

From effective date of permit until September 30, 1980, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

PARAMETER	CONCENTRATION LIMITS mg/l			LOAD LIMITS lbs/day (Kg/day)			SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY	7 DAY	DAILY	30 DAY	7 DAY	DAILY		
	AVG.	AVG.	MAX.	AVG.	AVG.	MAX.		
Flow (MGD)							Estimate	When Discharging



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ATTACHMENT B-4 CONTINUED

1. There shall be no discharge of collected debris from intake screen washing operations.

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ATTACHMENT G

Special Conditions

1. There shall be no discharge of polychlorinated biphenyl compounds.
2. The permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each discharge each month.

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
2200 Churchill Road  
Springfield, Illinois 62706

Attention: NPDES Unit (DMR)

3. The completed Discharge Monitoring Report forms shall be retained by the permittee for a period of six months and then shall be mailed and received by the IEPA in accordance with the following schedule, unless otherwise specified by the permitting authority.

Period	Received by IEPA
April, May, June, July, August, September	October 15
October, November, December, January, February, March	April 15

4. The limitations listed in lbs/day for total suspended solids are the total allowable effluent discharge from all three outfalls. The mg/l limitations apply to each outfall separately.

ATTACHMENT H  
Standard Conditions

Act means the Illinois Environmental Protection Act, Ch. 111 1/2 111. Rev. Stat., Sec. 1001-1051 as Amended.

Agency means the Illinois Environmental Protection Agency.

Board means the Illinois Pollution Control Board.

Chapter 3 means the Illinois Pollution Control Board Rules and Regulations, Chapter 3: Water Pollution.

Daily maximum means the maximum unit magnitude discharged during any calendar day.

Director means the Director of the Illinois Environmental Protection Agency.

FWPCA means the Federal Water Pollution Control Act, as amended, 33 U.S.C. 466 et seq., Public Law 95-217, approved December 27, 1977 (commonly referred to as the Clean Water Act).

NPDES means the National Pollutant Discharge Elimination System.

Weekly average means the arithmetic mean of samples collected during a period of seven consecutive calendar days for the purposes of monitoring and reporting.

Monthly average means the arithmetic mean of samples collected during a calendar month for purposes of monitoring and reporting. Alternatively, monthly average may be construed by the Illinois Environmental Protection Agency to be defined as the arithmetic means of samples collected during any period of 30 consecutive calendar days.

1. All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such discharges will not violate the effluent limitations specified in this permit, by notice to the Agency of such changes. Following such notice, the permit may be revised to specify and limit any pollutants not previously limited.
2. In case of conflict between these standard conditions and any special conditions attached to this permit, the special conditions shall govern.
3. Except as otherwise provided in the Permit, all waters of the State shall be kept free from unnatural sludge or bottom deposits, floating solids, visible oil, odor, unnatural plant or algae growth, unnatural color or turbidity, visible foam or matter in concentrations or combinations toxic or harmful to human, animal, plant or aquatic life of other than natural origin.
4. Pursuant to Chapter 3, this permit may be modified, suspended or revoked in whole or in part during its term for cause including, but not limited to, the following:
  - a. Violation of any terms or conditions of the permit (including, but not limited to, schedules of compliance and conditions concerning monitoring, entry, and inspection);
  - b. Obtaining a permit by misrepresentation or a failure to disclose fully all relevant facts; or,
  - c. A change in any circumstance that mandates either a temporary or permanent reduction or elimination of the permitted discharge.
5. This permit may not be assigned or transferred. In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Agency.
6. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.
7. The permittee shall allow any agent duly authorized by the Agency and/or the United States Environmental Protection Agency upon the presentation of credentials:
  - a. To enter the permittee's premises where effluent sources are located or in which any records are required to be kept under the terms and conditions of this permit.

- b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit.
- c. To inspect at reasonable times any monitoring equipment or monitoring method required to be kept by this permit.
- d. To sample at reasonable times any discharge of pollutants.
8. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the FWPCA and shall not be construed to relieve the permittee from civil or criminal penalties for noncompliance.
9. Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the FWPCA.
10. Any owner of any publicly owned or regulated treatment works shall give notice to the Agency of the following:
  - a. Any new introduction of pollutants into such treatment works from a source which would be a new source as defined in Section 306 of the FWPCA if such source were discharging pollutants directly to the waters of the State;
  - b. Except as to such categories and classes of point sources or discharges which may be specified by the Agency, any new introduction of pollutants into such treatment works from a source which would be a point source subject to Section 301 of the FWPCA if it were discharging such pollutants directly to the waters of the State;
  - c. Any substantial change in volume or character of pollutants being introduced into such treatment works by a source introducing pollutants into such works at the time of issuance of the permit; and

Such notices shall contain information on:

The quality and quantity of wastewater to be introduced into such treatment works, and

Any anticipated impact of such change in the quantity or quality of effluent to be discharged from such publicly owned or publicly regulated treatment works.

11. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established pursuant to Section 307(a) of the FWPCA for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this permit, this permit shall be revised by the Agency in accordance with the toxic effluent standard or prohibition and the permittee shall be so notified.
12. If for any reason the permittee does not comply with or will be unable to comply with any parameter limitation or other condition as specified in this permit, or should any unusual or extraordinary discharge of waste occur from the facilities herein permitted, the permittee shall provide the Agency with the following information in writing within five (5) days of becoming aware of the condition:
  - a. A description of the non-complying discharge including the impact upon the receiving water.
  - b. Cause of non-compliance.
  - c. Anticipated time the condition of non-compliance is expected to continue, or if such condition has been corrected, the duration of the period of non-compliance.
  - d. Steps to be taken by the permittee to prevent recurrence of the condition of non-compliance.
  - e. Steps taken by the permittee to reduce and eliminate non-compliance.
13. The diversion or bypass of any discharge from the treatment works by the permittee is prohibited, except: (1) where unavoidable to prevent the loss of life or severe property damage; or, (2) where excessive storm drainage runoff would damage any facilities necessary for compliance with the terms and conditions of this permit. The permittee shall notify the Agency within 72 hours of each diversion or bypass in accordance with the procedure specified in Standard Condition 12 for reporting non-compliance. The permittee shall within 30 days after such incident submit for approval a plan to prevent recurrence of such incidents.

achment H

The permittee shall take all reasonable steps to minimize any adverse impact on waters of the State resulting from non-compliance with any effluent limitations specified in this permit. The permittee will also provide accelerated or additional monitoring as necessary to determine the nature and the impact of the non-complying discharge(s).

15. The permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures either by means of alternate power sources, standby generators or retention of inadequately treated effluent. Should the treatment works not include the above capabilities at the time of permit issuance, the permittee must furnish within 120 days to the Agency, for approval, plans for such facilities and an implementation schedule for their installation.

16. The permittee shall effectively monitor the operation and efficiency of all treatment and control facilities and the quantity and quality of the treated discharge. The permittee must obtain the equipment necessary to perform the tests designated by the influent and effluent limitations indicated in Schedule B, and A if included, or be able to utilize other laboratory services to determine and report the necessary results. Samples and measurement taken as required herein shall be representative of the volume and nature of the monitored discharge. Monitoring data required for this permit shall be summarized on a calendar month basis. Individual reports for each reporting period are to be submitted on the basis indicated in Schedule B and A if included of this permit, and/or on the appropriate forms as indicated by the Agency. Original copies of the Discharge Monitoring Report form properly signed and completed must be submitted and postmarked within fifteen (15) days after the end of the reporting period to: Illinois EPA, DWPC, 2200 Churchill Road, Springfield, Illinois, 62706, Attention: NPDES Unit (DMR).

17. The permittee shall record for all samples the date and time of sampling, the sampling method used, the date that analyses were performed, the identity of the analyses, and the results of all required analysis and measurements. All sampling and analytical records required by this permit shall be retained for a minimum of three years. The permittee shall also retain all original records from any continuous monitoring instrumentation and any calibration and maintenance records for a minimum of three years. The periods will be extended on a day-for-day basis during the course of any unresolved litigation, or when so requested by the Agency.

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form. Such increased frequency shall also be indicated.

18. The analytical and sampling methods used shall conform to 40 CFR Part 136 which includes selected methods from current editions of the reference manuals listed below:

- a. "Standard Methods for the Examination of Water and Wastewaters", APHA, Washington, D.C.
- b. "A.S.T.M. Standards, Part 31, Water"; American Society for Testing and Materials, Philadelphia, Pennsylvania.
- c. "Methods for Chemical Analysis of Water and Waste", EPA, Technology Transfer.

The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

19. Except for data determined to be confidential pursuant to Section 7 or 7.1 of the Act or Section 308 of the FWPCA, all monitoring reports recorded by this permit shall be available for public inspection at the offices of the Agency. Knowingly making any false statement on any such report may result in the implementation of criminal penalties as provided for in Section 309 of the FWPCA and Section 44 of the Act.

20. The permittee shall at all times maintain in good working order and operate as efficiently as possible any facilities or systems of control installed by the permittee to achieve compliance with the terms and conditions of the permit.

21. Owners of publicly owned or publicly regulated treatment works shall require that any industrial user of such treatment works comply with federal requirements concerning:

- a. User charges and recovery of construction costs pursuant to Section 204(b) of the FWPCA, and applicable regulations in 40 CFR 35;

- b. Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the FWPCA;
- c. Inspection, monitoring and entry pursuant to Section 308 of the FWPCA.

22. Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.

23. If any interim effluent limitations and/or schedule of compliance is provided for in this permit pursuant to Rule 409 of Chapter 3, the permittee is required to take such action to bring the discharge into compliance within the shortest period of time possible. If the Agency determines that the permittee is not taking timely action to secure the appropriate grant funding, the Agency may take the following actions:

- a. Place the permittee on restricted status.
- b. Initiate appropriate enforcement action.

24. The discharge(s) authorized by this permit shall comply with, in addition to the requirements of the permit, all applicable provisions of Chapter 3 or applicable orders of the Board which are consistent with the FWPCA or regulations adopted thereunder.

25. The permittee shall not commence construction or modification of any treatment works, disposal well, wastewater source, or process modification until an authorization to construct has been issued pursuant to Rule 910 of Chapter 3. If an authorization to construct is issued, it is hereby incorporated as a condition of this permit.

26. The permittee is not authorized to discharge after the expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Agency not later than 180 days prior to the expiration date.

27. "This permit may be modified or revised, or, alternatively revoked and reissued, to comply with an applicable effluent limitation issued pursuant to the order of the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et. al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:

- (1) is different in conditions or more stringent than any effluent limitation in the permit; or
- (2) controls any pollutant not limited in the permit."

This permit may be revised, following notice by the Agency that applicable effluent limitations covered by the Natural Resources Defense Council, Inc. et.al. v. Train, 8 E.R.C. 2120 (D.D.C. 1976) will not be promulgated, to incorporate any applicable effluent limitation determined under Section 402(a)(1) of the Federal Water Pollution Control Act. (FWPCA) Amendments of 1972 as necessary to carry out the provisions of Section 301(b)(2)(a) of the FWPCA, if the effluent limitation so determined;

- a. Is more stringent than any effluent limitation in the permit; or
- b. Controls any pollutant not limited in the permit.

28. This permit may be revised to incorporate, if necessary, applicable provisions of an approved 208 plan pursuant to Section 208 of the FWPCA.

29. Applicable new or amended Pollution Control Board Rules or Regulations, Regulations promulgated pursuant to the FWPCA or Amendments to the FWPCA shall be incorporated herein and become part hereof when the Rule, Regulation or Amendment becomes effective. The Agency will notify each affected NPDES permittee of such incorporation.

30. The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

JG/bs/4621/1-8  
(Rev. 9/19/78)